

Contents

Marine Chemistry, Vol. 34 (1991)

Research Papers

- Contributions of colloidal and high molecular weight dissolved material to alkalinity and nutrient concentrations in shallow marine and estuarine systems
J.T. Hollibaugh (Tiburon, CA, USA), R.W. Buddemeier (Livermore, CA, USA) and S.V. Smith (Honolulu, HI, USA) 1
- Chromium(III) interactions in seawater through its oxidation kinetics
M. Pettine, T. La Noce (Rome, Italy) and F.J. Millero (Miami, FL, USA) 29
- An automated technique for the measurement of dissolved N₂O in natural waters
J.H. Butler and J.W. Elkins (Boulder, CO, USA) 47
- Enhancement of chlorophyll *a* production in Gulf Stream surface seawater by rainwater nitrate
J.D. Willey and L.B. Cahoon (Wilmington, NC, USA) 63
- Laboratory investigations into the effect of marine organic material on the sea-salt aerosol generated by bubble bursting
J. Cloke, P.S. Liss (Norwich, UK) and W.A. McKay (Didcot, UK) 77
- Tritium in the Japan Sea and the renewal time of the Japan Sea deep water
Y.W. Watanabe, S. Watanabe and S. Tsunogai (Hakodate, Japan) 97
- Accumulation of heavy metals (Pb, Zn, Cu, Cd), carbon and nitrogen in sediments from Strait of Georgia, B.C., Canada
R.W. Macdonald, D.M. Macdonald, M.C. O'Brien (Sidney, B.C., Canada) and C. Gobeil (Mont-Joli, Que., Canada) 109
- Arsenic and selenium in a pristine river–estuarine system: the Krka (Yugoslavia)
P. Seyler and J.-M. Martin (Montrouge, France) 137

Short Note

- A history of the $\delta^{13}\text{C}$ composition of oceanic plankton
W.M. Sackett (St. Petersburg, FL, USA) 153

Research Papers

- Development and assessment of an analytical system for the accurate and continual measurement of total dissolved inorganic carbon
C. Robinson and P.J. leB. Williams (Menai Bridge, UK) 157
- Ocean anoxia and the concentrations of molybdenum and vanadium in seawater
S.R. Emerson and S.S. Husted (Seattle, WA, USA) 177
- Determination of Henry's law constants for hexachlorocyclohexanes in distilled water and artificial seawater as a function of temperature
J.R. Kucklick, T.F. Bidleman (Columbia, SC, USA) and D.A. Hinckley (Sparks, MD, USA) 197
- Monitoring of labile copper and zinc in estuarine waters using cathodic stripping chronopotentiometry
C.M.G. van den Berg (Liverpool, UK) 211
- Particle-bound phosphorus along an urbanized coastal plain estuary
M.E. Lebo (Lewis, DE, USA) 225

The determination of iodide, iodate, total inorganic iodine and charcoal-adsorbable iodine in seawater	
J.R.W. Woittiez, H.A. van der Sloot, G.D. Wals, B.J.T. Nieuwendijk and J. Zonderhuis (Petten, Netherlands)	247
The distributions of particulate atmospheric trace metals and mineral aerosols over the Indian Ocean	
R. Chester, A.S. Berry and K.J.T. Murphy (Liverpool, UK)	261
<i>Book Review</i>	
Estuarine circulation	291